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Legal Patent

Attorney Docket No.: 5762.200-US Application Serial No.: 09/577,694

Filed: May 22, 2000 Inventors: Sorensen et al. Via Facsimile: 571-273-8300

## IN THE CLAIMS

Claims (1-62) - Cancelled

- 63. (Previously Presented) A stopper comprising an injection-mouldable material, comprising: a blend of a butyl based rubber and a polyolefin, wherein the butyl based rubber is present in an amount of 70-90 % by weight and the polyolefin is present in an amount of 30-10 % by weight, and wherein the combination of the butyl based rubber and the polyolefin results in a reduced leakage of substances compared to the leakage of substances from a stopper made from a butyl based rubber alone and wherein the injection-mouldable material, further comprises: 10 % by weight or less of fillers and 1% by weight or less of additives, provided that the injectionmouldable material comprises other than a thermoplastic elastomer.
- 64. (Previously Presented) The stopper according to claim 63 having a hardness of 40-80 Shore
- 65. (Previously Presented) The stopper according to the claim 63 having a hardness of 45-75 Shore A.
- 66. (Previously Presented). The stopper according claim 63 having a hardness of 65-75 Shore A.
- 67. (Previously Presented) The stopper according to claim 63 for a medical container, comprising a blend of 13-25 % by weight of a polyolefin and 75-87 % by weight of a butyl based rubber.
- 68. (Previously Presented) The stopper according to claim 63, wherein the polyolefin is selected from the group of polyolefines consisting of polypropylene and polyethylene.

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- 69. (Previously Presented New) The stopper claim 63, wherein the butyl based rubber is halogenated butyl.
- 70. (Previously Presented) The stopper claim 63, wherein the butyl based rubber is a bromobutyl.
- 71. (Previously Presented) The stopper according to claim 63, wherein the butyl based rubber is at least partially cross-linked.
- 72. (Previously Presented) The stopper according to claim 63 wherein the stopper has a substantially circular cross-section.
- 73. (Previously Presented) A medical container for storing a liquid medicament, comprising a distal and a proximal end portion and at least one wall defining an interior space for such liquid medicament, wherein one of the end portions comprises a stopper comprising: an injection-mouldable material, comprising: a blend of butyl based rubber and a polyolefin, wherein the butyl based rubber is present in an amount of 70-90 % by weight and the polyolefin is present in an amount of 30-10 % by weight, and wherein the combination of the butyl based rubber and the polyolefin results in a reduced leakage of substances compared to the leakage of substances from a stopper made from a butyl based rubber alone and wherein the injection-mouldable material, further comprises: 10 % by weight or less of fillers and 1% by weight or less of additives, provided that the injection-mouldable material comprises other than a thermoplastic elastomer.

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- 74. (Previously Presented) The medical container according to claim 72, wherein the at least one wall is non-flexible.
- 75. (Cancelled)
- 76. (Cancelled).
- 77. (Previously Presented) A stopper comprising an injection-mouldable material, consisting essentially of: a blend of a butyl based rubber and a polyolefin, wherein the butyl based rubber is present in an amount of 70-90 % by weight and wherein additives are optionally present in an amount not exceeding 1% by weight and fillers are optionally present in an amount less than 10% by weight and wherein the balance of the material is polyolefin, and wherein the combination of the butyl based rubber and the polyolefin results in a reduced leakage of substances compared to the leakage of substances from a stopper made from a butyl based rubber alone.
- 78. (Previously Presented) The stopper according to claim 77 having a hardness of 40-80 Shore A.
- 79. (Previously Presented) The stopper according to the claim 77 having a hardness of 65-75 Shore A.
- 80. (Previously Presented) The stopper according to claim 77 for a medical container, wherein the injection-mouldable material, consists essentially of: a blend of 13-25 % by weight of a polyolefin and 75-87 % by weight of a butyl based rubber.

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- 81. (Previously Presented) The stopper according to claim 77, wherein the polyolefin is selected from the group of polyolefines consisting of polypropylene and polyethylene.
- 82. (Previously Presented) The stopper claim 77, wherein the butyl based rubber is halogenated butyl.
- 83. (Previously Presented) The stopper claim 77, wherein the butyl based rubber is a bromobutyl.
- 84. (Previously Presented) The stopper according to claim 77, wherein the butyl based rubber is at least partially cross-linked.
- 85. (Previously Presented) The stopper according to claim 77 wherein the stopper has a substantially circular cross-section.